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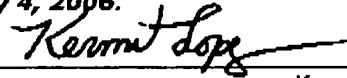
APPLICANT: Alex Nugent
SERIAL NO.: 10/730,708
FILED: 12/08/2003
TITLE: ADAPTIVE NEURAL NETWORK UTILIZING NANOTECHNOLOGY-BASED COMPONENTS

EXAMINER: Peter Coughlan
GROUP: 2129
ATTY DKT NO.: 1000-1214

CERTIFICATE OF TRANSMISSION BY FACSIMILE

Please forward all correspondence to:
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I hereby certify that this correspondence is being transmitted to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 by facsimile transmission to the following fax number **(571) 273-8300** on May 4, 2006.



Kermit Lopez

Mail Stop Non-Fee Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**AMENDMENTS, REPLY AND REQUEST FOR RECONSIDERATION
UNDER 37 C.F.R. § 1.111**

Dear Sir:

In response to the Office Action dated April 6, 2006 in the above captioned matter, please enter the following amendments and remarks:

Amendments to claims begin on Page 2 of this Paper.

Remarks begin on Page 8 of this Paper.